JAPROZ SINGH SAINI

japrozsaini@outlook.com — (404) 203-3782 — www.japroz.me

EDUCATION

Georgia State University   *Dec 2026*[1]
B.S. in Computer Science

- Cummulative GPA: 3.6
- Rocketry Club – Founding member · ATL Sikhs – Executive · Computer Science Club

EXPERIENCE

Georgia State Production Network   *Sep 2023 – Jan 2024*
Engineering Assistant   *Atlanta, GA*

- Helped produce college football and basketball game shows for ESPN & performed camera work and graphics work
- Setup and make sure that equipment like cameras, hardware and networks work as intended
- Did the networking and cable management for music concerts

SKILLS, LANGUAGES, INTERESTS

- **Languages**: English, Hindi/Urdu, Punjabi, Spanish (A2)
- **Programming**: C, Typescript, Python, C++
- **Interests**: Systems Engineering, CTFs, Sports, Engines, AI

CERTIFICATES

CS50 - Introduction to Computer Science
Issued by *Harvard University*   *Sep 2020*

Google Certified Developer
Issued by *Google*   *Oct 2020*

HONORS & AWARDS

1st place at Truist CTF   Atlanta
Issued by *Truist Bank*   *Nov 2024*

- Capture the Flag event organised by Truist Bank where my team came first and won a cash reward of $2000+

1st place at CodeDay Delhi   New Delhi
Issued by *CodeDay*   *Nov 2022*

- Took part in my first hackathon which consisted of around 200 high school students from all over India and won 1st place.

PROJECTS

Rum   Jun 2023 — C · Bash · Java

- A fully spec-compliant parser for the Java Class file format
- Went through the entire Class file format spec and modelled the parser based on that

Vettel   Feb 2020 — C · Python

- A minimalistic key-value store written in C aimed at speed.
- Vettel performs better than existing key-value stores like Redis in some cases.

Dino   Dec 2021 — TypeScript · NextJS

- A simple yet powerful note-editor with modern features like WYSIWIG editor, complex document nesting, and dark mode.
- Got features on the home page on ProductHunt with 24 hours of its launch

Dom   Jun 2022 — C

- A unique way to create tiny web servers for testing purposes using a custom syntax config file
- Routes are specified alongwith bash commands that run when those routes are accessed and the data is sent back to the client

Chronos   Sep 2023 — TypeScript · NextJS

- Chronos allows you to search documents, media, PRs etc. across storage platforms like GDrive, Dropbox, Github etc.
- All of the data is stored in the respective storage platforms maintaining user privacy and trust.

COURSEWORK

Computer Science
Computer Organization , Systems Level Programming , Programming Language Concepts

Mathematics
Calculus of II Variables, Discrete Mathematics, Linear Algebra, Probaility & Statistics

OPEN SOURCE CONTRIBUTIONS

Fprime   Jan 2024 — C++
JPL's flight software embedded framework

JSD   Sep 2023 — C
NASA JPL SOEM device drivers

Fig Autocomplete   Aug 2021 — Typescript
IDE like autocomplete for terminals

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[1] Accelerated graduation – Completing in 3.5 years in place of the standard 4-year
[2] Code for this resume hosted at https://github.com/japrozs/resume